

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-7. (Canceled).

8. (New) A method for producing an optical link with laser pulses between an emitter of the pulses and a receiver of the pulses, the optical link being used by a locating device for locating a body moving at constant speed away from the locating device, the method comprising:

delaying the start of emission of the laser pulses with respect to the departure of the moving body; and

varying the energy of the successive laser pulses in proportion to the square of the time elapsed since the start of emission of the pulses.

9. (New) A device for producing an optical link with laser pulses between an emitter of the pulses and a receiver of the pulses, the optical link being used by a locating device for locating a body moving at constant speed away from the locating device, said device comprising:

a delay section that delays the start of emission of the laser pulses with respect to the departure of the moving body; and

an energy control section that varies the energy of the successive pulses in proportion to the square of the time elapsed since the start of emission of the pulses.

10. (New) The device as claimed in claim 9, wherein the emitter comprises at least one laser diode.

11. (New) The device as claimed in claim 9, wherein the emitter comprises at least one vertical cavity surface emitting laser.

12. (New) The device as claimed in claim 9, further comprising a capacitor whose successive discharges supply the emitter so as to produce the successive laser pulses and whose successive charging is controlled by successive rectangular charging pulses whose durations are a linearly increasing function of time.